District I

\$625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-144 Revised June 6, 2013

For temporary pits, below-grade tanks, and multi-well fluid management pits, submit to the appropriate NMOCD District Office.

For permanent pits submit to the Santa Fe Environmental Bureau office and provide a copy to the appropriate NMOCD District Office.

Pit, Below-Grade Tank, or
Proposed Alternative Method Permit or Closure Plan Application
Proposed Alternative Method Permit or Closure Plan Application Type of action: Below grade tank registration Permit of a pit or proposed alternative method Closure of a pit, below-grade tank, or proposed alternative method Modification to an existing permit/or registration Closure plan only submitted for an existing permitted or non-permitted pit, below-grade tank, or proposed alternative method
Instructions: Please submit one application (Form C-144) per individual pit, below-grade tank or alternative request
Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.
Operator: XTO Energy, Inc. OGRID #: 5380 OIL CONS. DIV DIST. 3
Address. 502 Road 5100, Azace, New Mexico 67410
Facility or well name: Golden Bear #4 OCT 0 1 2015
API Number: OCD Permit Number:
U/L or Qtr/Qtr C Section 2 Township 29N Range 13W County: San Juan
Center of Proposed Design: Latitude36.760134 Longitude108.177910 NAD: ☐1927 ☒ 1983
Surface Owner: Federal State Tribal Trust or Indian Allotment
□ Pit: Subsection F, G or J of 19.15.17.11 NMAC Temporary: □ Drilling □ Workover □ Permanent □ Emergency □ Cavitation □ P&A □ Multi-Well Fluid Management Low Chloride Drilling Fluid □ yes □ no □ Lined □ Unlined Liner type: Thickness
Secondary containment with leak detection
4. Alternative Method: Submittal of an exception request is required. Exceptions must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.
•
Fencing: Subsection D of 19.15.17.11 NMAC (Applies to permanent pits, temporary pits, and below-grade tanks)
☐ Chain link, six feet in height, two strands of barbed wire at top (Required if located within 1000 feet of a permanent residence, school, hospital, institution or church) ☐ Four foot height, four strands of barbed wire evenly spaced between one and four feet

Alternate. Please specify:

Netting: Subsection E of 19.15.17.11 NMAC (Applies to permanent pits and permanent open top tanks)	
☐ Screen ☐ Netting ☒ Other: Expanded metal or solid vaulted top	
☐ Monthly inspections (If netting or screening is not physically feasible)	
7. Signs: Subsection C of 19.15.17.11 NMAC	
☐ 12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers	
Signed in compliance with 19.15.16.8 NMAC	
Signed in compniance with 15.13.10.8 NWAC	
8. Variances and Exceptions: Justifications and/or demonstrations of equivalency are required. Please refer to 19.15.17 NMAC for guidance.	
Please check a box if one or more of the following is requested, if not leave blank:	
☐ Variance(s): Requests must be submitted to the appropriate division district for consideration of approval.	
Exception(s): Requests must be submitted to the Santa Fe Environmental Bureau office for consideration of approval.	
9. Siting Criteria (regarding permitting): 19.15.17.10 NMAC Instructions: The applicant must demonstrate compliance for each siting criteria below in the application. Recommendations of acceptate are provided below. Siting criteria does not apply to drying pads or above-grade tanks.	ptable source
General siting	
Ground water is less than 25 feet below the bottom of a low chloride temporary pit or below-grade tank. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Ground water is less than 50 feet below the bottom of a Temporary pit, permanent pit, or Multi-Well Fluid Management pit. NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to NMSA 1978, Section 3-27-3, as amended. (Does not apply to below grade tanks) - Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. (Does not apply to below grade tanks) - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area. (Does not apply to below grade tanks) - Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map	☐ Yes ☐ No
Within a 100-year floodplain. (Does not apply to below grade tanks) - FEMA map	Yes No
Below Grade Tanks	
Within 100 feet of a continuously flowing watercourse, significant watercourse, lake bed, sinkhole, wetland or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 200 horizontal feet of a spring or a fresh water well used for public or livestock consumption; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Temporary Pit using Low Chloride Drilling Fluid (maximum chloride content 15,000 mg/liter)	
Within 100 feet of a continuously flowing watercourse, or any other significant watercourse or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). (Applies to low chloride temporary pits.) - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within 300 feet from a occupied permanent residence, school, hospital, institution, or church in existence at the time of initial application.	☐ Yes ☐ No
- Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	
Within 200 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 300feet of any other fresh water well or spring, in existence at the time of the initial application. NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No

Within 100 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No										
Temporary Pit Non-low chloride drilling fluid											
Within 300 feet of a continuously flowing watercourse, or any other significant watercourse, or within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark).											
- Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No										
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image											
Within 500 horizontal feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes, or 1000 feet of any other fresh water well or spring, in the existence at the time of the initial application; - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site											
Within 300 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No										
Permanent Pit or Multi-Well Fluid Management Pit											
Within 300 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, or lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No										
Within 1000 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No										
Within 500 horizontal feet of a spring or a fresh water well used for domestic or stock watering purposes, in existence at the time of											
initial application. - NM Office of the State Engineer - iWATERS database search; Visual inspection (certification) of the proposed site	☐ Yes ☐ No										
Within 500 feet of a wetland. - US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No										
Temporary Pits, Emergency Pits, and Below-grade Tanks Permit Application Attachment Checklist: Subsection B of 19.15.17.9 Natural Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the do attached. Hydrogeologic Report (Below-grade Tanks) - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Hydrogeologic Data (Temporary and Emergency Pits) - based upon the requirements of Paragraph (2) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Design Plan - based upon the appropriate requirements of 19.15.17.12 NMAC Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 and 19.15.17.13 NMAC	O NMAC										
☐ Previously Approved Design (attach copy of design) API Number: or Permit Number:											
Multi-Well Fluid Management Pit Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the do attached. Design Plan - based upon the appropriate requirements of 19.15.17.11 NMAC Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC A List of wells with approved application for permit to drill associated with the pit. Closure Plan (Please complete Boxes 14 through 18, if applicable) - based upon the appropriate requirements of Subsection C of 19 and 19.15.17.13 NMAC Hydrogeologic Data - based upon the requirements of Paragraph (4) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC											
Previously Approved Design (attach copy of design) API Number: or Permit Number:											

Permanent Pits Permit Application Checklist: Subsection B of 19.15.17.9 NMAC Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the	documents are
attached. Hydrogeologic Report - based upon the requirements of Paragraph (1) of Subsection B of 19.15.17.9 NMAC Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Climatological Factors Assessment Certified Engineering Design Plans - based upon the appropriate requirements of 19.15.17.11 NMAC Dike Protection and Structural Integrity Design - based upon the appropriate requirements of 19.15.17.11 NMAC	
 □ Leak Detection Design - based upon the appropriate requirements of 19.15.17.11 NMAC □ Liner Specifications and Compatibility Assessment - based upon the appropriate requirements of 19.15.17.11 NMAC □ Quality Control/Quality Assurance Construction and Installation Plan □ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15.17.12 NMAC □ Freeboard and Overtopping Prevention Plan - based upon the appropriate requirements of 19.15.17.11 NMAC □ Nuisance or Hazardous Odors, including H₂S, Prevention Plan □ Emergency Response Plan 	
☐ Oil Field Waste Stream Characterization ☐ Monitoring and Inspection Plan ☐ Erosion Control Plan ☐ Closure Plan - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC	
13.	
Proposed Closure: 19.15.17.13 NMAC Instructions: Please complete the applicable boxes, Boxes 14 through 18, in regards to the proposed closure plan.	
Type: Drilling Workover Emergency Cavitation P&A Permanent Pit Below-grade Tank Multi-well Find Alternative Proposed Closure Method: Waste Excavation and Removal	luid Management Pit
Waste Excavation and Removal Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be closure plan. Please indicate, by a check mark in the box, that the documents are attached. Protocols and Procedures - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of Subsection C of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings) Soil Backfill and Cover Design Specifications - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	
Siting Criteria (regarding on-site closure methods only): 19.15.17.10 NMAC Instructions: Each siting criteria requires a demonstration of compliance in the closure plan. Recommendations of acceptable sour provided below. Requests regarding changes to certain siting criteria require justifications and/or demonstrations of equivalency. I 19.15.17.10 NMAC for guidance.	
Ground water is less than 25 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Ground water is between 25-50 feet below the bottom of the buried waste - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	Yes No
Ground water is more than 100 feet below the bottom of the buried waste. - NM Office of the State Engineer - iWATERS database search; USGS; Data obtained from nearby wells	☐ Yes ☐ No ☐ NA
Within 100 feet of a continuously flowing watercourse, or 200 feet of any other significant watercourse, lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark). - Topographic map; Visual inspection (certification) of the proposed site	Yes No
Within 300 feet from a permanent residence, school, hospital, institution, or church in existence at the time of initial application. - Visual inspection (certification) of the proposed site; Aerial photo; Satellite image	☐ Yes ☐ No
Within 300 horizontal feet of a private, domestic fresh water well or spring used for domestic or stock watering purposes, in existence at the time of initial application. - NM Office of the State Engineer - iWATERS database; Visual inspection (certification) of the proposed site	Yes No
Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within 300 feet of a wetland. US Fish and Wildlife Wetland Identification map; Topographic map; Visual inspection (certification) of the proposed site	☐ Yes ☐ No
Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance	

IP 보면 등 경제 보고 :: ''라이크 :: [[전시]	
adopted pursuant to NMSA 1978, Section 3-27-3, as amended. Written confirmation or verification from the municipality; Written approval obtained from the municipality	☐ Yes ☐ No
Within the area overlying a subsurface mine. - Written confirmation or verification or map from the NM EMNRD-Mining and Mineral Division	☐ Yes ☐ No
Within an unstable area.	
 Engineering measures incorporated into the design; NM Bureau of Geology & Mineral Resources; USGS; NM Geological Society; Topographic map 	☐ Yes ☐ No
Within a 100-year floodplain FEMA map	☐ Yes ☐ No
16.	
On-Site Closure Plan Checklist: (19.15.17.13 NMAC) Instructions: Each of the following items must be attached to the closure by a check mark in the box, that the documents are attached. Siting Criteria Compliance Demonstrations - based upon the appropriate requirements of 19.15.17.10 NMAC Proof of Surface Owner Notice - based upon the appropriate requirements of Subsection E of 19.15.17.13 NMAC Construction/Design Plan of Burial Trench (if applicable) based upon the appropriate requirements of Subsection K of 19.15.1 Construction/Design Plan of Temporary Pit (for in-place burial of a drying pad) - based upon the appropriate requirements of 19.15.17.13 NMAC Confirmation Sampling Plan (if applicable) - based upon the appropriate requirements of 19.15.17.13 NMAC Waste Material Sampling Plan - based upon the appropriate requirements of 19.15.17.13 NMAC Disposal Facility Name and Permit Number (for liquids, drilling fluids and drill cuttings or in case on-site closure standards can Soil Cover Design - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Re-vegetation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC Site Reclamation Plan - based upon the appropriate requirements of Subsection H of 19.15.17.13 NMAC	7.11 NMAC 9.15.17.11 NMAC
17. Operator Application Certification:	
I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and b	elief.
Name (Print): Title:	
	A
Signature: Date:	
e-mail address: Telephone:	
OCD Approval: Permit Application (including closure plan) Closure Plan (only) OCD Conditions (see attachment) OCD Representative Signature: Approval Date:	12015
Closure Report (required within 60 days of closure completion): 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitted. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do n section of the form until an approved closure plan has been obtained and the closure activities have been completed.	ot complete this
☐ Closure Completion Date: July 30, 2015	
Closure Completion Date: July 30, 2015	
20. Closure Method: Waste Excavation and Removal On-Site Closure Method Alternative Closure Method Waste Removal (Closed If different from approved plan, please explain.	
20. Closure Method: ☐ Waste Excavation and Removal ☐ On-Site Closure Method ☐ Alternative Closure Method ☐ Waste Removal (Closed	-loop systems only) indicate, by a check

	submitted with this closure report is true, accurate and complete to the best of my knowledge and applicable closure requirements and conditions specified in the approved closure plan.
Name (Print): Otto G. Naegele Jr.	Title: EHS Technician
Signature: State Forg. e-mail address: otto nacgele@xtocnergy.com	Date:

District I District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico **Energy Minerals and Natural Resources**

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Form C-141 Revised August 8, 2011

			Rele	ease Notifi		and Co	rrective A			al Report	☐ Final F	Penor		
Name of Co	ompany: X	TO Energy,	Inc			THE RESERVE TO SERVE THE PARTY OF THE PARTY		6411		ai Report	rmar P	сероп		
		00, Aztec, N		ico 87410		Contact: Otto Naegele Telephone No.: (505) 333-3100								
Facility Na						Facility Type: Gas Well								
Surface Ow	ner: State			Mineral	Owner				API No	o.: 30-045-2	29422			
					Marie I	OF RE	LEASE							
Unit Letter	Section	Township	Range	Feet from the	The second second second	South Line	Feet from the	East/W	est Line	County				
C	2	29N	13W	862	F	NL	1850	F	WL	San Juan				
				Latitude 36.		Longitu OF REL	de -108.17791 EASE	0						
Type of Rele	ase: Produc	ed Water			LOILE	,	Release: Unknow	wn	Volume	Recovered: 1	None	250		
Source of Re						Date and H Unknown	lour of Occurren	ce:	Date and 1:00PM	Hour of Dis	scovery: 07/16/2	2015		
Was Immedi	ate Notice (Yes [No ⊠ Not F	Required		Whom? N/A		1.001141					
By Whom?	SHE					Date and F	lour:	No.	-					
Was a Water	course Read		Yes 🗵] No		If YES, Vo	olume Impacting	the Wate	rcourse.					
via USEPA the 'Pit Rule ppm total ch Guidelines fe to a water we benzene, and Describe Are confirmed fo I hereby cert regulations a public health should their or the enviro	Method 801 'spill confi- lorides, via or the Reme ell greater th 150 ppm tot ea Affected or this locati ify that the all operators or the envi- operations h mment. In a	5 (DRO, GRO rmation stand USEPA Meth diation of Lea nan 1000 feet, tal BTEX. and Cleanup on. information g are required t ronment. The nave failed to	O, ORO), lards of 0. od 9056, caks, Spills and distant Action Talliven above to report a cacceptant adequately OCD acceptant a	Benzene and BTI 2 ppm benzene, confirming that a and Releases. There to surface wa ken.* Based on the e is true and com nd/or file certain ce of a C-141 rep y investigate and	EX via US 50 ppm to release he ne site was ter greate he total ch plete to th release no oort by the remediate	SEPA Metho tal BTEX, 10 as occurred a s ranked a 10 r than 1000 f alorides result the best of my otifications a s NMOCD me e contamination	f the well. The Be d 8021, and for to 00ppm TPH but a t this location. To due to an estimatest. This set the det. This s	otal chlor above the he site wa atted depth closure st a USEPA understan ctive active active active active active reat to gran	as then ran as then ran in to groun andard to method 9 ad that pur ons for re- oes not re- ound water bility for o	sample returned total chlorid and according the decording total according to the decording to the decording total according to the d	rned results belo des standards at 2 ing to the NMOO 0-100 feet, dista PH, 10 ppm se has been MOCD rules and a may endanger crator of liability ater, human hea with any other	ow 290 CD ance		
Signature:	Oks	1 Pag			OIL CONSERVATION DIVISION Approved by Environmental Specialist:									
Printed Nam	e: Otto G. N	Naegele Jr.					47096							
Title: EHS T	echnician	RIP W	1213	A.Paris	1	Approval Da	te:	E	Expiration	Date:				
(4) = (4) (4) (4)		egele@xtoen	A BILLIA	00	(Conditions of Approval:				Attached				
Date: 9 20 Attach Addi		ets If Necess	05-333-31 sary	00			TO THE RESERVE	12:15	A 37 To		20 30 21 Z			

XTO Energy Inc. San Juan Basin Below Grade Tank Closure Report

Lease Name: Golden Bear #4 API No.: 30-045- 29422

Description: Unit C, Section 2, Township 29N, Range 13W, San Juan County

In accordance with Rule 19.15.17.13 NMAC the following information describes the closure requirements of below-grade tanks on XTO Energy Inc. (XTO) locations. This is XTO's standard procedure for all below-grade tanks. A separate plan will be submitted for any below-grade tank which does not conform to this plan.

General Plan

 XTO will close below-grade tanks within the time periods provided in 19.15.17.13 NMAC, or by an earlier date that the division requires because of imminent danger to fresh water, public health or the environment.

Closure Date is 07/30/2015

- XTO will close a below-grade tank that does not meet the requirements of Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC or is not included in Paragraph (5) of Subsection I of 19.15.17.11 NMAC within five years after June 16, 2008, if not retrofitted to comply with Paragraphs (1) through (4) of Subsection I of 19.15.17.11 NMAC.
 Closure Date is 07/30/2015
- 3. XTO will close a permitted below-grade tank within 60 days of cessation of the below-grade tank's operation or as required by the transitional provisions of Subsection B of 19.15.17.17 NMAC in accordance with a closure plan that the appropriate division district office approves. The closure report will be filed on form C-144.
 Required C-144 Form is attached to this document.
- 4. XTO will remove liquids and sludge from below-grade tanks prior to implementing a closure method and will dispose of the liquids and sludge in a division-approved facility. Approved facilities and waste streams include:

Envirotech Permit No. NM01-0011 and IEI Permit No. NM 01-0010B Soil contaminated by exempt petroleum hydrocarbons Produced sand, pit sludge and contaminated bottoms from storage of exempt wastes

Basin Disposal Permit No. NM01-005

Produced water

All liquids and sludge were removed from the tank prior to closure activities.

5. XTO will remove the below-grade tank and dispose of it in a division approved facility or recycle, reuse, or reclaim it in a manner that the appropriate division district office approves. XTO has removed the below grade tank, and will dispose of it at a division approved facility, or recycle, reclaim or reuse it in a manner that is approved by the division.

 XTO will remove any on-site equipment associated with a below-grade tank unless the equipment is required for some other purpose.

All equipment has been removed due to the plugging and abandoning of the Golden Bear #4 well site.

At a minimum 5 point composite sample will be collected along with individual grab samples from any area that is wet, discolored or showing other evidence of a release. Samples will be analyzed for BTEX, TPH and chlorides to demonstrate that the benzene concentration, as determined by EPA SW-846 methods 8021B or 8260B or EPA method that the division approves, does not exceed 0.2 mg/kg; total BTEX concentration, as determined by EPA SW-846 methods 8021B or 8260B or other EPA method that the division approves, does not exceed 50 mg/kg; the TPH concentration, as determined by EPA method 418.1 or other EPA method that the division approves, does not exceed 50 mg/kg; and the chloride concentration, as determined by EPA method 300.1 or other EPA method that the division approves, does not exceed 250 mg/kg, or the background concentration, whichever is greater. XTO will notify the division of its results on form C-141.

A five point composite sample was taken of the pit using sampling tools and all samples tested per Subsection B of 19.15.17.1 3(B)(1)(b). (Sample results attached).

Components	Test Method	Limit (mg/Kg)	Results		
Benzene	EPA SW-846 8021B or 8260B	0.2	< 0.0027 mg/kg		
BTEX EPA SW-846 8021B or 82		50	< 0.5919 mg/kg		
TPH	EPA SW-846 418.1	100	22.0 mg/kg		
Chlorides	EPA 9056	250 or background	290 mg/kg		

8. If XTO or the division determines that a release has occurred, XTO will comply with 19.15.3.116 NMAC and 19.15.1.19NMAC as appropriate.

A release has been confirmed at this location

9. If the sampling program demonstrates that a release has not occurred or that any release does not exceed the concentrations specified in Paragraph (4) of Subsection E of 19.15.17.13 NMAC, XTO will backfill the excavation with compacted, non-waste containing, earthen material; construct a division prescribed soil cover; recontour and re-vegetate the site.

The pit cellar was backfilled using compacted, non-waste containing earthen material, with a division prescribed soil cover.

- 10. Notice of Closure operations will be given to the Aztec Division District III office between 72 hours and one week prior to the start of closure activities via email or verbally. The notification will include the following:
 - i. Operator's name
 - ii. Well Name and API Number
 - iii. Location by Unit Letter, Section, Township, and Range

Notification was provided to Mr. Cory Smith with the Aztec office of the OCD via email on July 13, 2015; see attached email printout.

The surface owner shall be notified of XTO's proposal to close the BGT as per the approved closure plan using certified mail, return receipt requested.

The surface owner was notified on July 13, 2015 via email. Email has been approved as a means of surface owner notification to the State Brandon Powell, NMOCD Aztec Office.

11. Re-contouring of location will match fit, shape, line, form and texture of the surrounding area. Re-shaping will include drainage control, prevent ponding, and prevent erosion. Natural drainages will be unimpeded and water bars and/or silt traps will be placed in areas where needed to prevent erosion on a large scale. Final re-contour shall have a uniform appearance with smooth surface, fitting the natural landscape.

The location will be recontoured to match the above specifications.

12. A minimum of 4 feet of cover shall be achieved and the cover shall include 1 foot of suitable material to establish vegetation at the site, or the background thickness of topsoil, whichever is greater.

The site will be backfilled to match these specifications.

- 13. XTO will seed the disturbed areas the first growing season after the operator closes the pit. Seeding will be accomplished via drilling on the contour whenever practical or by other division-approved methods. BLM or Forest Service stipulated seed mixes will be used on federal lands. Vegetative cover will equal 70% of the native perennial vegetative cover (un-impacted) consisting of at least three native plant species, including at least one grass, but not including noxious weeds, and maintain that cover through two successive growing seasons. Repeat seeding or planting will be continued until successful vegetative growth occurs.

 Site has been reclaimed pursuant to the landowner specifications.
- 14. All closure activities will include proper documentation and be available for review upon request and will be submitted in closure report form to OCD within 60 days of closure of the below-grade tank. Closure report will be filed on form C-144 and incorporate the following:
 - i. Proof of closure notice to division and surface owner; attached
 - ii. Details on capping and covering, where applicable; per OCD Specifications
 - iii. Inspection reports; attached
 - iv. Confirmation sampling analytical results; attached
 - v. Disposal facility name(s) and permit number(s); see above
 - vi. Soil backfilling and cover installation; per OCD Specifications
 - vii. Re-vegetation application rates and seeding techniques, (or approved alternative to re-vegetation requirements if applicable); **Per landowner specifications.**
 - viii. Photo documentation of the site reclamation. attached



12065 Lebanon Rd. Mt. Juliet, TN 37122 (615) 758-5858 1-800-767-5859 Fax (615) 758-5859

Tax I.D. 62-0814289

Est. 1970

Otto Naegele XTO Energy - San Juan Division 382 County Road 3100 Aztec, NM 87410

Report Summary

Friday July 17, 2015

Report Number: L777133 Samples Received: 07/16/15 Client Project:

Description: Wastewater Treatment Plant

The analytical results in this report are based upon information supplied by you, the client, and are for your exclusive use. If you have any questions regarding this data package, please do not hesitate to call.

Entire Report Reviewed By:

Daphne Richards , ESC Representative

Laboratory Certification Numbers

A2LA - 1461-01, AIHA - 100789, AL - 40660, CA - 01157CA, CT - PH-0197, FL - E87487, GA - 923, IN - C-TN-01, KY - 90010, KYUST - 0016, NC - ENV375/DW21704/BIO041, ND - R-140. NJ - TN002, NJ NELAP - TN002, SC - 84004, TN - 2006, VA - 460132, WV - 233, AZ - 0612, MN - 047-999-395, NY - 11742, WI - 998093910, NV - TN000032011-1, TX - T104704245-11-3, OK - 9915, PA - 68-02979, IA Lab #364, EPA - TN002

Accreditation is only applicable to the test methods specified on each scope of accreditation held by ESC Lab Sciences.

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Tax I.D. 62-0814289

Est. 1970

REPORT OF ANALYSIS

July 17,2015

Otto Naegele XTO Energy - San Juan Division 382 County Road 3100 Aztec, NM 87410

ESC Sample # : L777133-01

Date Received : July 16, 2015 Description : Golden Bear #4

Site ID :

Sample ID : FARON-071515-1230

Project # :

Collected By : Otto Naegele Collection Date : 07/15/15 12:30

Parameter	Dry Result	Det. Limit	Units	Method	Date	Dil.
Chloride	290	11.	mg/kg	9056MOD	07/16/15	1
Total Solids	90.6		*	2540 G-2011	07/17/15	1
Benzene	BDL	0.0028	mg/kg	8021	07/17/15	5
Toluene	BDL	0.028	mg/kg	8021	07/17/15	5
Ethylbenzene	BDL	0.0028	mg/kg	8021	07/17/15	5
Total Xylene	BDL	0.0083	mg/kg	8021	07/17/15	5
TPH (GC/FID) Low Fraction	BDL	0.55	mg/kg	8015	07/17/15	5
urrogate Recovery-%						
a,a,a-Trifluorotoluene(FID)	85.6		% Rec.	8015	07/17/15	1
a,a,a-Trifluorotoluene(PID)	106.		% Rec.	8021	07/17/15	1
TPH (GC/FID) High Fraction Surrogate recovery(%)	22.	4.4	mg/kg	3546/DRO	07/16/15	1
o-Terphenyl	87.7		% Rec.	3546/DRO	07/16/15	1

Results listed are dry weight basis.

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

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The reported analytical results relate only to the sample submitted

Reported: 07/17/15 11:51 Printed: 07/17/15 11:51



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Aztec, NM 87410

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Quality Assurance Report Level II

L777133

July 17, 2015

			boratory B							
Analyte	Result	· ·	Inits	% Rec		Limit		Batch	Date	Analyzed
Total Solids	< .1			HOUSE	CHOOSE			WG802843	07/17	7/15 07:13
Chloride	< 10	п	ng/kg	-				WG802539	07/16	5/15 16:20
TPH (GC/FID) High Fraction	< 4	π	ng/kg					WG802963	07/16	5/15 16:00
o-Terphenyl		1	Rec.	81.9	0	50-150		WG802963	07/16	5/15 16:06
Benzene	< .0005		ng/kg							7/15 05:15
Ethylbenzene	< .0005		ng/kg		CONTRACTOR STATES	AND THE PERSON NAMED IN			State of the State	7/15 05:15 7/15 05:15
Toluene TPH (GC/FID) Low Fraction	< .005		ng/kg			CARLES THE STATE OF THE SE	right compa			7/15 05:15
Total Xylene	< .0015		ng/kg ng/kg							7/15 05:15
a,a,a-Trifluorotoluene(FID)	2 .0015		Rec.	86.3	10	59-128				7/15 05:15
克斯特罗斯尼斯斯及 克克克		Setting	Duplicate		MAT		1790		483	
Analyte	Units	Result	A STATE OF THE PARTY OF THE PAR		RPD	Limit		Ref Sam	р	Batch
Total Solids	State Making	79.1	79.0	DOM:	0.0972	5		L776930	-01	WG802843
Chloride	mg/kg	84.0	78.1		7.00	20		L776873	-21	WG802539
Chloride	mg/kg	270.	265.		3.00	20		L776918-02		WG802539
	Land Author S	Manufacture .	Photographic and the second				A	A UST		
Analyte	Units	Labora	Table Calin more among and	ontrol Sample Result		% Rec		Limit		Batch
Total Solids		50		50.0		100.		85-115		WG802843
Chloride	mg/kg	200		209.		104.		80-120		WG802535
TPH (GC/FID) High Fraction	ma /lea	60		40.3		67.2		50-150		WG802963
o-Terphenyl	mg/kg	60		40.3		75.50		50-150		WG802963
TPH (GC/FID) Low Fraction	mg/kg	5.5		5.85		106.		63.5-137		WG80280
a,a,a-Trifluorotoluene(FID)						123.0		59-128		WG802807
	L	aboratory	Control Sa	mple Du	plicate					
Analyte	Units	Result	Ref	*Rec		Limit	RPD	Li	mit	Batch
Chloride	mg/kg	208.	209.	104.		80-120	0.0	20		WG802535
TPH (GC/FID) High Fraction	mg/kg	43.3	40.3	72.0		50-150	7.12	20		WG802963
o-Terphenyl				82.2	20	50-150				WG802963
TPH (GC/FID) Low Fraction	mg/kg	6.00	5.85	109.		63.5-137	2.46	20		WG80280
a,a,a-Trifluorotoluene(FID)		KING IN		111.0)	59-128	MINOS ST	Television of the		WG80280
			Matrix Spi	ke						
Analyte	Units	MS Res	Ref Res	TV	% Rec	Limit		Ref Samp)	Batch
Chloride	mg/kg	591.	78.9	500	100.	80-12	0	L776873-	22	WG80253

^{*} Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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Quality Assurance Report Level II

L777133

July 17, 2015

			Matrix 8	Spike					
Analyte	Units	MS Res	Ref Re	es TV	% Rec	Limit		Ref Samp	Batch
TPH (GC/FID) Low Fraction	mg/kg	15.9	0.096	7 5.5	58.0	28.5-	138	L775496-01	WG80280
a,a,a-Trifluorotoluene(FID)					103.0	59-12	8		WG80280
		Mai	rix Spike	Duplicate					
Analyte	Units	MSD	Ref	%Rec	Limit	RPD	Limit	Ref Samp	Batch
Chloride	mg/kg	582.	591.	101.	80-120	2.00	20	L776873-22	WG80253
TPH (GC/FID) Low Fraction	mg/kg	4.69	15.9	16.7*	28.5-138	109.*	23.6	L775496-01	WG80280
a,a,a-Trifluorotoluene(FID)				95.40	59-128				WG80280

Batch number /Run number / Sample number cross reference

WG802843: R3050606: L777133-01 WG802539: R3050620: L777133-01 WG802963: R3050628: L777133-01 WG802807: R3050689: L777133-01

^{* *} Calculations are performed prior to rounding of reported values.

* Performance of this Analyte is outside of established criteria.

For additional information, please see Attachment A 'List of Analytes with QC Qualifiers.'



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Quality Assurance Report Level II

L777133

The data package includes a summary of the analytic results of the quality control samples required by the SW-846 or CWA methods. The quality control samples include a method blank, a laboratory control sample, and the matrix spike/matrix spike duplicate analysis. If a target parameter is outside the method limits, every sample that is effected is flagged with the appropriate qualifier in Appendix B of the analytic report.

Method Blank - an aliquot of reagent water carried through the entire analytic process. The method blank results indicate if any possible contamination exposure during the sample handling, digestion or extraction process, and analysis. Concentrations of target analytes above the reporting limit in the method blank are qualified with the "B" qualifier.

Laboratory Control Sample - is a sample of known concentration that is carried through the digestion/extraction and analysis process. The percent recovery, expressed as a percentage of the theoretical concentration, has statistical control limits indicating that the analytic process is "in control". If a target analyte is outside the control limits for the laboratory control sample or any other control sample, the parameter is flagged with a "J4" qualifier for all effected samples.

Matrix Spike and Matrix Spike Duplicate - is two aliquots of an environmental sample that is spiked with known concentrations of target analytes. The percent recovery of the target analytes also has statistical control limits. If any recoveries that are outside the method control limits, the sample that was selected for matrix spike/matrix spike duplicate analysis is flagged with either a "J5" or a "J6". The relative percent difference (%RPD) between the matrix spike and the matrix spike duplicate recoveries is all calculated. If the RPD is above the method limit, the effected samples are flagged with a "J3" qualifier.

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Est. 1970

July 17, 2015

Kush		0	e Number		_				An	alusis	Conto	iner				
ENERGY Western Division Well Site/Location Radle Bear 44 Collected By OHO Naegele Company XTO Energy Signature		XTO Contact OHO Nacquelo			Page of XTO Contact Phone # 505-419-0289 Results to:										ab Information	
		30-045-2 Samp	Number 79477 les on Ice		norgy	. Com turday Delivery (Y	(N)								Farn Dura Bakt	fice Abbreviations nington = FAR ngo = DUR nen = BAK n = RAT
		RGT Closure Gray Areas for Lab Use Only!			Standard Next Day Two Day Three Day Same Day Date Needed			1 Bois	V	lorido				Roos La B	ance = PC evelt = R\$V arge = LB ageville = OV	
Sample ID	Sam	ple Name	Media	Date	Time	Preservative	No. of Conts.	TPH	BTE	5				5	ample Number	
FARON-071515-1230	BGTC	llar	5	7/15/15	12:30	ontce	1	/	/	1						
														A SURFACE		
													+			
															and the Assess	
		176.00.39			WITE TO THE											
	Phone	mer : ESCNC : (615)758-5858	Date : 30 Weight : B COD : DV :	10 LBS	Spe	pping : 0.00 cial : 0.00 dling : 0.00 al : 0.00										
	SHI DI	el : N Sycs: 8	TANDARD OVER TRCK: 6127 6739		0.00 101											
Media : Filter = F Soil = S Waster	water = WV	V Groundwater	= GW Dr	inking W	aster = DV	V Sludge = SG Sur	face Water	= SW	Air =	A Dr	ill Mud	= DM	Other	= OT		
Relinquished By: (Signature)		Date: T			Received By: (Sign	months and a more and					Number of Bot			Sample Condition		
		Date:		Time:						Temperatu		ture:		Other Information		
Relinquished By: (Signature)		Date:		Time:	Received for Lab	by: (Signa	ture)				Date:			Carler Information		
Comments																

^{*} Sample ID will be the office and sampler-date-military time FARJM-MMDDYY-1200

Naegele, Otto

From: Naegele, Otto

Sent: Monday, July 13, 2015 12:18 PM

To: Cory Smith (Cory.Smith@state.nm.us); John Taschek (jtaschek@slo.state.nm.us)

Cc: McDaniel, James; Hoekstra, Kurt; Hixon, Logan; Farnsworth, Rex; Naegele, Otto; Clement,

Jeff; Trujillo, Marcos; Dryer, David; Baxstrom, Scott; McCollum, Luke; Beaty, Brent

Subject: FW: 7-8-2015, 72 Hour BGT Closure Notification 7/8/15-7/15/15-Golden Bear 4

Mr. Smith & Mr. Taschek,

*Due to unforeseen delays the BGT closure action date has changed to the time and date below.

-Golden Bear 4 (API 30-045-29422) located in Section 2(B), Township 29N, Range 13W, San Juan County, New Mexico.

This BGT is being closed due to the plugging and abandoning of this well site.

The closure plan was approved on August 20, 2008.

Work is tentatively scheduled for Wednesday July 15,2015 at approximately 1200 MST.

If there is any unforeseen delays in closure of this BGT and it will not be closed within a week's time a follow up email notification will be made for the change.

Thank you and have a good day

From: Naegele, Otto

Sent: Wednesday, July 08, 2015 11:10 AM

To: Cory Smith (Cory.Smith@state.nm.us); John Taschek (<u>itaschek@slo.state.nm.us</u>)

Cc: McDaniel, James; Hoekstra, Kurt; Naegele, Otto; Farnsworth, Rex; Clement, Jeff; Dawes, Thomas; Trujillo, Marcos;

Dryer, David; Baxstrom, Scott; McCollum, Luke; Beaty, Brent

Subject: 7-8-2015, 72 Hour BGT Closure Notification 7/8/15-7/15/15-Golden Bear 4

Mr. Smith & Mr. Taschek,

Please accept this email as the required 72 hour notification for BGT closure activities at the following site:

-Golden Bear 4 (API 30-045-29422) located in Section 2(B), Township 29N, Range 13W, San Juan County, New Mexico.

This BGT is being closed due to the plugging and abandoning of this well site.

The closure plan was approved on August 20, 2008.

Work is tentatively scheduled for Monday July 13,2015 at approximately 1200 MST.

If there is any unforeseen delays in closure of this BGT and it will not be closed within a week's time (July 15, 2015), a follow up email notification will be made for the change.

Thank you and have a good day

XTO Energy Inc., an ExxonMobil subsidiary
Otto G. Naegele Jr. | 382 Road 3100 | Aztec, NM 87410
Ph: 505-333-3727 | Cell: 505-419-0289 | Fax: 505-333-3280
otto naegele@xtoenergy.com

Naegele, Otto

From: Naegele, Otto

Sent: Wednesday, July 08, 2015 11:10 AM

To: Cory Smith (Cory.Smith@state.nm.us); John Taschek (jtaschek@slo.state.nm.us)

Cc: James McDaniel (James_McDaniel@xtoenergy.com); Hoekstra, Kurt; Naegele, Otto;

Farnsworth, Rex; Clement, Jeff; Dawes, Thomas; Trujillo, Marcos; Dryer, David; Baxstrom,

Scott; McCollum, Luke; Beaty, Brent

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XTO Energy Inc.,an ExxonMobil subsidiary
Otto G. Naegele Jr. | 382 Road 3100 | Aztec, NM 87410
Ph: 505-333-3727 | Cell: 505-419-0289 | Fax: 505-333-3280
otto naegele@xtoenergy.com



Well Below Tank Inspection Report

Division

Denver

6/01/2008 - 06/01/20

IVOe NO

Type Value G

RouteName		StopName		Pumper	Foreman	WellNam	10		APIWellNumber	Section	Range	Township
Below Grade Pit Forms (Temp.)		Golden Bear 04		Blackburn, Shawn	Unassigned	GOLDEN BEAR 04 (PA)		(PA)	3004529422	2	13W	29N
InspectorName	Inspection Date	Inspection Time	Visible LinerTears	VisibleTankLeak Overflow	Collection OfSurfaceRun	Visible LayerOil	Visible Leak	Freeboard EstFT	PitLocation PitType	Notes		
jerry nelson	09/09/2008	02:50	No	No	No	No	No	5		comp oil in pit		
jerry nelson	10/13/2008	11:05	No	No	No	No	No	5	Compresso Below	3 comp oil in pit		
jerry nelson	11/08/2008	11:05	No	No	No	No	No	3	CDP Water Below	3 comp oil in pit		
LIBBEY REED	12/30/2008	12:16	No	No	No	No	No	3	CDP Water Below	3 comp oil in pit		
LIBBEY REED	01/22/2009	02:25	No	No	No	Yes	No	3	CDP Water Below	3 comp oil in pit		
LIBBEY REED	02/08/2009	10:40	No	No	No	Yes	No	3	CDP Water Below 0	3 comp oil in pit		
Dustin Jensen	03/06/2009	09:30	No	No	No	Yes	No	6	CDP Water Below 0	3 pit level at 36"	Dj	
Eric Urioste	04/14/2009	09:30	No	No	No	Yes	No	6	CDP Water Below 0	3 pit level at 36"		
Eric Urioste	06/05/2009	09:30	No	No	No	Yes	No	6	CDP Water Below	Ground		
Eric Urioste	05/06/2010	11:31	No	No	No	Yes	No	6	CDP Water Below 0	Ground		
Erio Urioste	07/13/2010	10:11	No	No	No	Yes	No	6	CDP Water Below 0	3round		
Eric Urioste	05/16/2011	11:45	No	No	No	Yes	No	6	CDP Water Below (Ground		
Well Below Tar	nl 09/24/2015	Division	Denver	Dates		06/01/2			tr Type Vali G			
RouteName	StopName	Pumper		WellName	APIWellNur		100					
	Pit Golden Bear 0						13W	29N	Inspector Inspe		T Visible	Li Visible
Eric Urioste Eric Urioste	09/26/2011		No No	No No	No No	Yes	No No		CDP Wat Below			
Eric Urioste	11/02/2011		No	No	No	Yes	No		CDP Wat Below			
Eric Urioste	12/05/2011		No	No	No	Yes	No		CDP Wat Below			
Eric Urioste	01/04/2012		No	No	No	Yes	No		CDP Wat Below			
Eric Urioste	02/29/2012		No	No	No	Yes	No		CDP Wat Below			
Eric Urioste	03/07/2012		No	No	No	Yes	No		CDP Wat Below			
Eric Urioste	05/03/2012		No	No	No	Yes	No		CDP Wat Below			
SB	07/29/2012		No	No	No	Yes	No		CDP Wat Below	THE STATE OF THE S		
SB	08/01/2012		No	No	No	Yes	No		CDP Wat Below			
SB	09/04/2012	09:45	No	No	No	Yes	No	6	CDP Wat Below	Ground		
SB	10/26/2012		No	No	No	Yes	No		CDP Wat Below			
	4410710040	10:20	No	No	No	Yes	No		CDP Wat Below			
SB	11/07/2012				***	Yes	No	6	CDP Wat Below	Ground		
	12/24/2012		No	No	No					CHARLEST THE STATE OF THE STATE		
SB		12:30	No No	No No	No No	Yes	No	5	CDP Wal Below	Ground		
SB SB	12/24/2012	12:30 12:45					No No		CDP Wat Below CDP Wat Below			
SB SB Russell Mann	12/24/2012 01/29/2013	12:30 12:45 12:45	No	No	No	Yes		5		Ground		
SB SB Russell Mann Russell Mann	12/24/2012 01/29/2013 02/22/2013	12:30 12:45 12:45 12:45	No No	No No	No No	Yes Yes	No	5	CDP Wat Below	Ground Ground		
SB SB Russell Mann Russell Mann Russell Mann	12/24/2012 01/29/2013 02/22/2013 03/06/2013	12:30 12:45 12:45 12:45 13:00	No No No	No No	No No No	Yes Yes Yes	No No	5 5 5	CDP Wat Below	Ground Ground Ground		
SB SB Russell Mann Russell Mann Russell Mann Russell Mann	12/24/2012 01/29/2013 02/22/2013 03/06/2013 04/30/2013	12:30 12:45 12:45 12:45 13:00 13:00	No No No	No No No	No No No	Yes Yes Yes	No No No	5 5 5 4	CDP Wat Below CDP Wat Below CDP Wat Below	Ground Ground Ground Ground		
SB SB Russell Mann Russell Mann Russell Mann Russell Mann Russell Mann Russell Mann Russell Mann	12/24/2012 01/29/2013 02/22/2013 03/06/2013 04/30/2013 05/30/2013 06/20/2013 11/30/2013	12:30 12:45 12:45 12:45 13:00 13:00 13:00	No No No No No No	No No No No No No No	No No No No No No No	Yes Yes Yes Yes Yes Yes	No No No No No	5 5 4 4	CDP Wat Below CDP Wat Below CDP Wat Below CDP Wat Below	Ground Ground Ground Ground Ground		
SB SB Russell Mann Russell Mann Russell Mann Russell Mann Russell Mann	12/24/2012 01/29/2013 02/22/2013 03/06/2013 04/30/2013 05/30/2013 06/20/2013	12:30 12:45 12:45 12:45 13:00 13:00 13:00	No No No No No	No No No No No	No No No No No	Yes Yes Yes Yes Yes	No No No No	5 5 5 4 4	CDP Wat Below CDP Wat Below CDP Wat Below CDP Wat Below CDP Wat Below	Ground Ground Ground Ground Ground Ground		
SB SB Russell Mann Russell Mann Russell Mann Russell Mann Russell Mann Russell Mann Russell Mann	12/24/2012 01/29/2013 02/22/2013 03/06/2013 04/30/2013 05/30/2013 06/20/2013 11/30/2013	12:30 12:45 12:45 12:45 13:00 13:00 13:00 13:00	No No No No No No	No No No No No No No No No	No No No No No No No	Yes Yes Yes Yes Yes Yes	No No No No No	5 5 5 4 4 4	CDP Wat Below CDP Wat Below CDP Wat Below CDP Wat Below CDP Wat Below CDP Wat Below	Ground Ground Ground Ground Ground Ground Ground		
SB SB Russell Mann Russell Mann Russell Mann Russell Mann Russell Mann Russell Mann Russell Mann	12/24/2012 01/29/2013 02/22/2013 03/06/2013 04/30/2013 05/30/2013 11/30/2013 12/30/2013	12:30 12:45 12:45 12:45 13:00 13:00 13:00 13:00 13:00 13:00	No No No No No No No No	No No No No No No No No	No No No No No No No No	Yes Yes Yes Yes Yes Yes Yes	No No No No No No No	5 5 4 4 4 4	CDP Wat Below CDP Wat Below CDP Wat Below CDP Wat Below CDP Wat Below CDP Wat Below CDP Wat Below	Ground Ground Ground Ground Ground Ground Ground Ground		

XTO Energy, Inc. Golden Bear #4 (30-045-29422) Section 2, Township 29N, Range 13W Closure Date: 07/30/2015

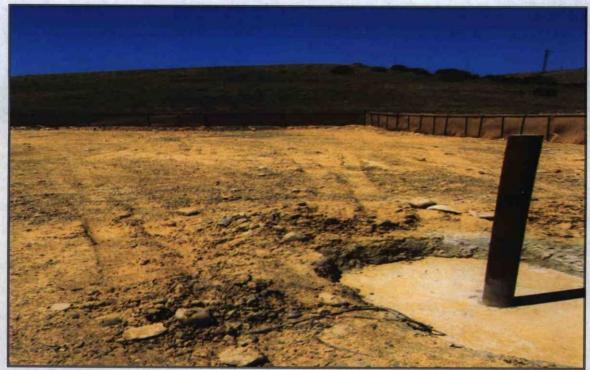


Photo 1: Golden Bear #4 after backfill of BGT.

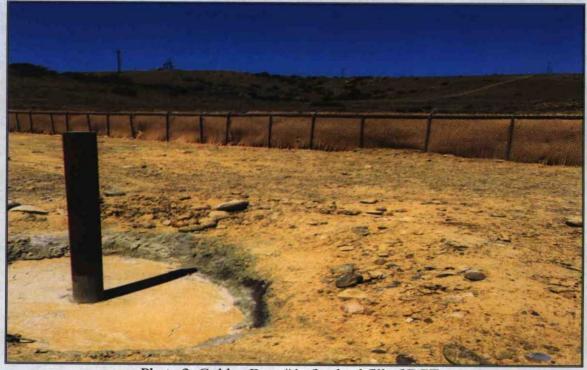


Photo 2: Golden Bear #4 after backfill of BGT.

XTO Energy, Inc. Golden Bear #4 (30-045-29422) Section 2, Township 29N, Range 13W Closure Date: 07/30/2015

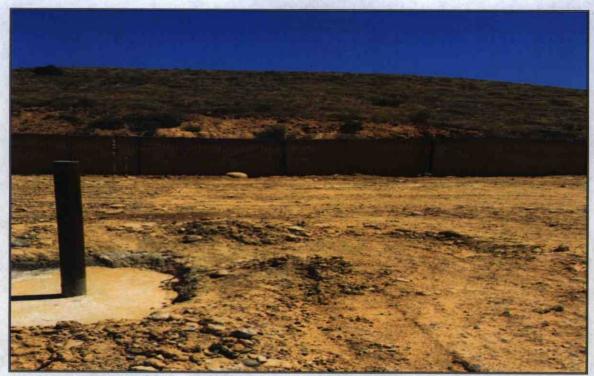


Photo 3: Golden Bear #4 after backfill of BGT.



Photo 4: Golden Bear #4 after backfill of BGT.

January 27, 2015

Mr. Cory Smith
Oil Conservation Division
1000 Rio Brazos Rd.
Aztec, New Mexico 87410

Email: cory.smith@state.nm.us Phone (505) 334-6178 Ext 115

RE: VARIANCE REQUEST FOR 19.15.17 NMAC TABLE I AND TABLE II

Mr. Smith,

Please accept this letter as a variance request as outlined in 19.15.17.15(A) NMAC. XTO Energy would like to request the replacement of USEPA Method 418.1 for the analysis of Total Petroleum Hydrocarbons (TPH) for USEPA Method 8015M, measuring carbon ranges C6-C36, for all sampling associated with closures and confirmations samples in relation to 19.15.17 NMAC, both in Table I and Table II (2103) and the 'pit rule' passed in 2008.

XTO Energy is requesting this variance on the grounds that USEPA Method 418.1 is an outdated analytical method that reports a full range of hydrocarbons from C₈ through C₄₀. (Reference: American Petroleum Institute). The attached table demonstrates the carbon ranges, and the typical hydrocarbon products that can be found in those ranges. As you can see, lube oil ranges from C₂₈-C₃₅. Analytical Method USEPA 418.1 extends past lube oils from C₃₅ through C₄₀. This range of hydrocarbons is above the range that can reasonably be expected to be found in our field in both drilling pits and beneath below grade tanks. USEPA Method 8015M (GRO/DRO + extended analysis) will report hydrocarbons ranging from C₆-C₁₀ for GRO, C₁₀-C₂₈ for DRO, and C₂₈-C₃₆ for extended analysis. This information was provided by Environmental Science Corporation Laboratories. As the information demonstrates, the 8015M analytical method reports as low as C₆, reporting lower than USEPA Method 418.1. Utilizing analytical method 8015M, lighter range hydrocarbons will be reported instead of higher range, heavy hydrocarbons that may not be reasonably expected to be found in our field. Utilization of USEPA Method 8015M will better protect groundwater resources by identifying lighter, more mobile hydrocarbons that USEPA Method 418.1 cannot identify. The heavier range hydrocarbons, C₃₆-C₄₀, that are not identified by USEPA Method 8015M are not a mobile form of hydrocarbon, and are not a threat to human health and the environment. With your acceptance of this variance request, XTO Energy will begin utilizing USEPA Method 8015M in place of USEPA Method 418.1 for all sampling activities associated with 19.15.17 NMAC, both from the rules passed in 2008 and 2013.

Respectfully Submitted,

James McDaniel, CHMM #15676 EH&S Supervisor XTO Energy, Inc. Western Division **Carbon Ranges of Typical Hydrocarbons**

Hydrocarbon	Carbon Range
Condensate	C2-C12
Aromatics	C5-C7
Gasoline	C7-C11
Kerosene	C6-C16
Diesel Fuel	C8-C21
Fuel Oil #1	C9-C16
Fuel Oil #2	C11-C20
Heating Oil	C14-C20
Lube Oil	C28-C35